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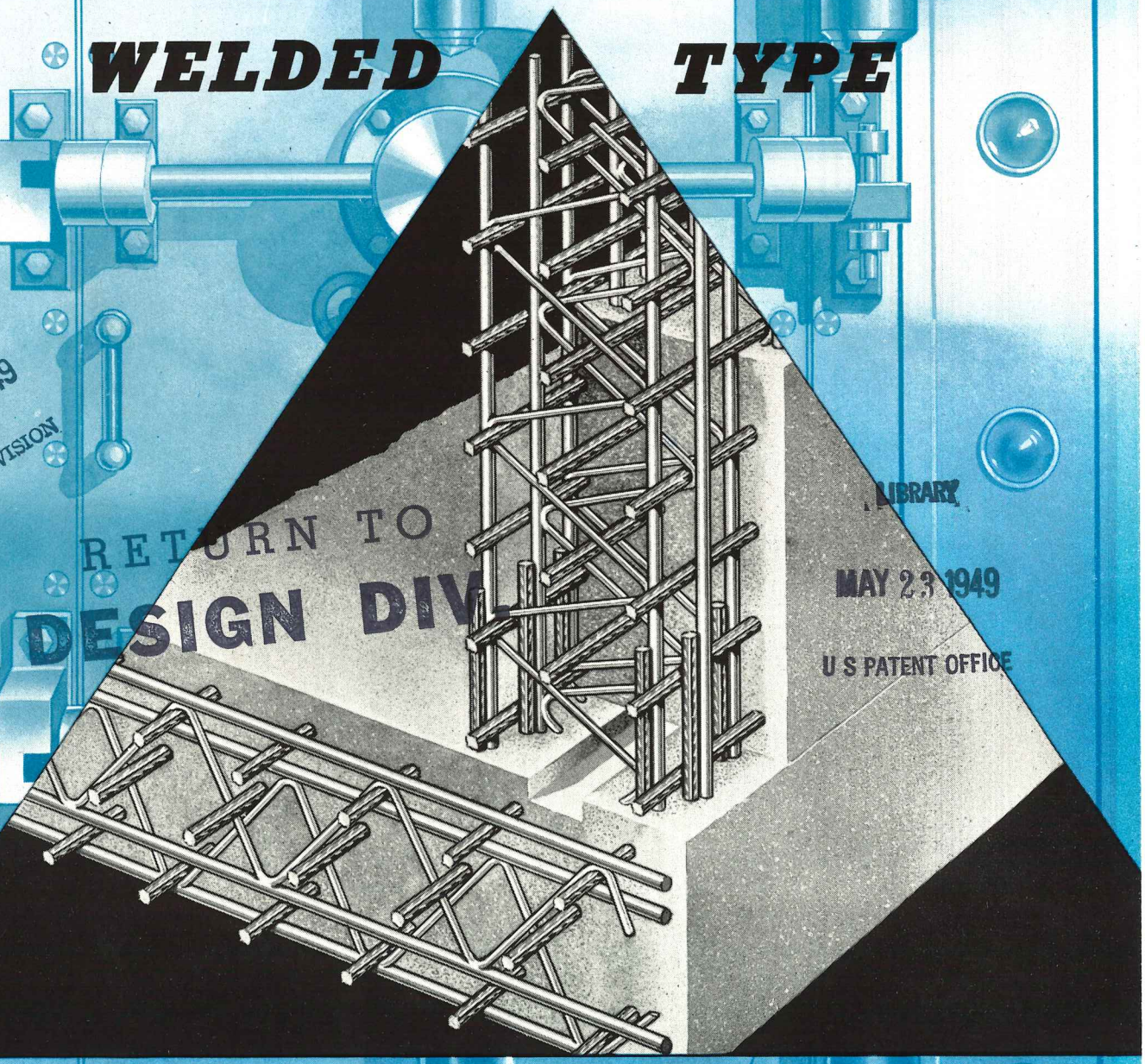
DESIGN

TRUSCON

P. 3

Bank Vault REINFORCING

WELDED TYPE



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SUBSIDIARY OF REPUBLIC STEEL CORPORATION

FOR MAXIMUM PROTECTION...

A Designed Reinforcement!

Truscon Welded Bank Vault Reinforcing consists of welded steel units placed parallel to each other with their chord members forming a barrier of steel near the inner and outer faces of the walls, floor and ceiling slabs. The web members of the welded units provide reinforcement through the thickness of the concrete. Loose bars threaded through the welded units, form rectangular barriers of steel at both inner and outer faces of walls, floor and ceiling slabs as well as providing a transverse barrier through their centers. All walls are securely bonded together at the vertical corners by means of specially formed dowel bars.

This type of reinforcement is so designed as to provide adequate distribution of steel to develop the maximum strength and at the same time permit the placing of the welded units and other steel with the greatest possible economy. It also permits easy pouring of concrete between and around all steel members.

The welded units are placed in staggered position in such a manner as to provide support for the majority of the loose transversely placed bars which are threaded through them.

Truscon Welded Bank Vault Reinforcing is most desirable because of the uniformity with which the welded units are placed and the comparative ease with which the concrete can be poured. The welded units are sufficiently light in weight to permit their being easily handled on the job.

The design and general arrangement of Truscon Welded Bank Vault Reinforcing has been approved by the National Bureau of Casualty and Surety Underwriters and the most generally used (No. 10) Insurance rating can be obtained with its use.

Truscon Welded Bank Vault Reinforcing provides:

1. Maximum economy in placing of materials.
2. Maximum efficiency of materials to resist penetration.
3. No. 10 Insurance Rating.

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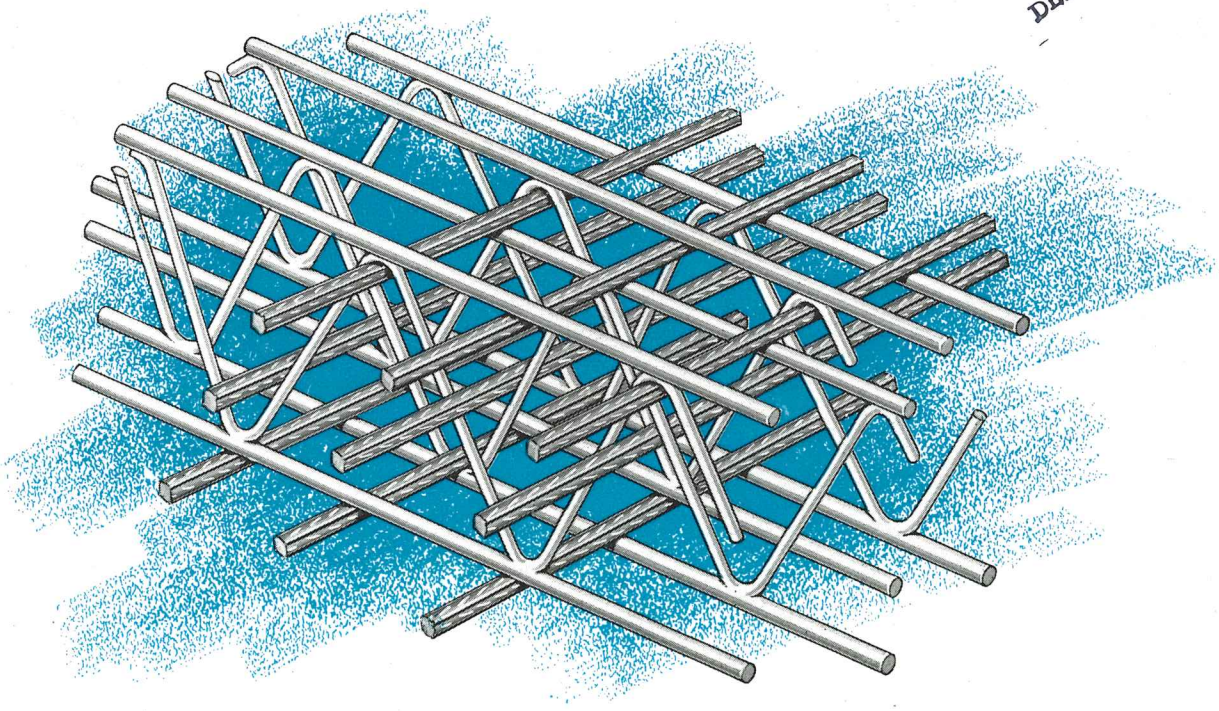
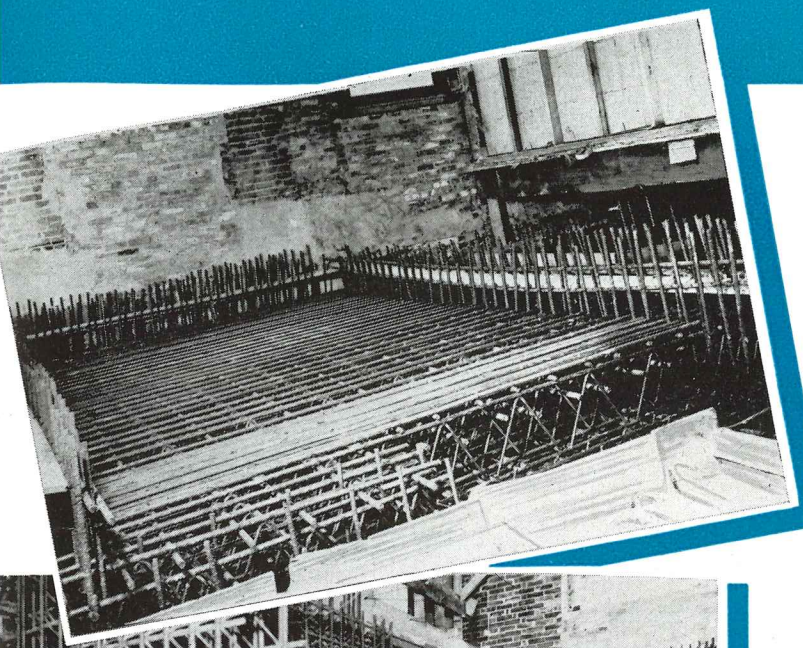


TYPICAL INSTALLATIONS OF
TRUSCON WELDED *Bank Vault Reinforcing*



The photograph at the left shows Truscon Welded Bank Vault Reinforcing units and transverse loose bars for vault floor slab set in place. Also shown are dowel bars which securely bond together the floor and wall concrete.

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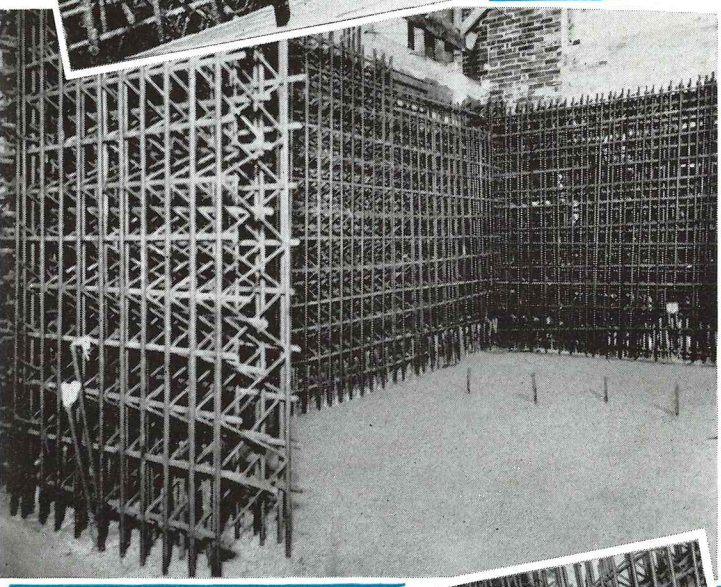
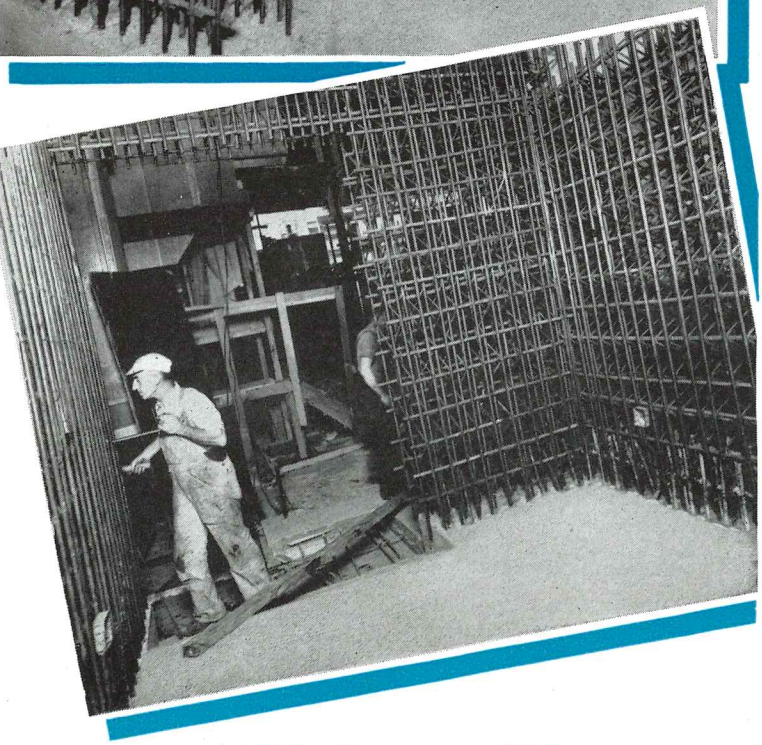
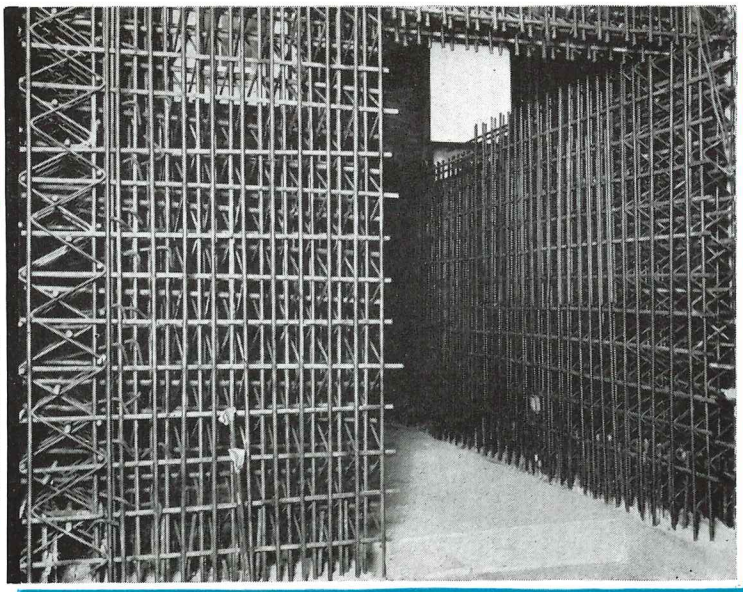


The middle photograph at the left and the two lower photographs show concrete floor slab in place and Truscon Welded Bank Vault Reinforcing units together with transverse loose bars for walls set in place.

These photographs show the perfect distribution and interlocking of reinforcement throughout the entire floor and wall thickness. (Ceiling similarly constructed.) Distances between reinforcing members are sufficient to permit the easy flow of concrete and to permit complete embeddment of all members. Uniform spacing is automatically provided in both the inner and outer faces of walls, floor, and ceiling.





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- Horizontal Slide

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